

PATENT CLAIMS

1. Locking/unlocking device for a swivel latch (5) of a door opener (15) with a locking lever (4), that locks or unlocks the swivel latch (5) and a safety lever (1) that is actuated with a prestress and thereby holds the locking lever (4) in the locking position and also can be swiveled with the help of an electromagnet (3) into a position unlocking the locking lever (4), characterized by the fact that, the safety lock (1) is pivoted in its center of gravity.
2. Locking/unlocking device according to claim 1, characterized by the fact that, the safety lever (1) can be swiveled parallel or vertical to the swiveling axis of the swivel latch (5).
3. Locking/unlocking device according to claims 1 or 2, characterized by the fact that, the safety lever (1) is configured symmetrically.
4. Locking/unlocking device according to one of the claims above, characterized by the fact that, the safety lever (1) has two arms (6, 7) and the electromagnet (3) is in active connection with one lever arm (7) and a compression spring (11) is in active connection with the other lever arm (6).
5. Locking/unlocking device according to claim 4,

characterized by the fact that,
the first and the second lever arms (6 and 7) are aligned in essentially one linear direction.

6. Locking/unlocking device according to one of the above claims,
characterized by the fact that
a microswitch (2) is assigned to the safety lever (1) for monitoring the position of the safety lever (1).
7. Locking/unlocking device according to claim 6
characterized by the fact that
the microswitch (2) is assigned to the lever arm (6) which is actuated with the compression spring (11).
8. Locking/unlocking device according to claim 7
characterized by the fact that
the microswitch (2) and the compression spring (11) are arranged on opposite sides of the lever arm (6).
9. Locking/unlocking device according to one of the above claims,
characterized by the fact that,
a permanent magnet is present, which is in active connection with the first lever arm (6) such that it has the function of a holding magnet, so that the safety lever (1) is retained in a locking position when no current is applied to the electromagnet (3).